

LAND TREATMENT PRACTICES

Land Treatment Practices Overview

Land treatment practices are to be applied to fields to limit the potential for runoff or other hazardous incidents from occurring due to land application of manure. As part of this element of the CNMP, the RUSLE2 program was run for each of the fields indicated in the plan. The results of RUSLE2 are outlined in the following RUSLE2 reports.

Current Management Practices for Fields in CNMP

The cropland utilized in this CNMP will be in a mostly hay and two year corn rotation when planning the crop rotations fields were matched as close as possible with the conservation plan that was previously developed by NRCS. All fields were run using RUSLE2 as outlined below. More comprehensive RUSLE2 reports can also be found in the printed reports on the following pages.

<i>Fields</i>	<i>Soil Type</i>	<i>Crop</i>	<i>Yield Goal</i>	<i>Soil Loss T</i>	<i>RUSLE 2 Soil Loss</i>
FOIA Exemption	429B Palsgrove silt loam, 2-5% slopes	Silage/Corn/Oats/ Alfalfa	30/180/60/7	3.0	1.0
	417D2 Derinda silt loam, 10-18% slopes, eroded			3.0	1.9
Church	429C2 Palsgrove silt loam, 5-10% slopes, eroded	Silage/Corn/Oats/ Alfalfa	30/180/60/7	3.0	2.4
	29D2 Debuque silt loam, 10-18% slopes, eroded			2.0	1.9
Dairy	429C2 Palsgrove silt loam, 5-10% slopes, eroded	Alfalfa Hay	7	3.0	0.5
	29D2 Debuque silt loam, 10-18% slopes, eroded			2.0	0.3
FOIA Exemption (b)	429D2 Palsgrove silt loam, 10-18% slopes, eroded	Silage/Oats/ Alfalfa	30/60/7	4.0	3.2
	429C2 Palsgrove silt loam, 5-10% slopes, eroded			3.0	1.7
FOIA Exemption (b)	29D2 Debuque silt loam, 10-18% slopes, eroded	Silage/Corn/Oats/ Alfalfa	30/180/60/7	2.0	1.9
	417D2 Derinda silt loam, 10-18% slopes, eroded			3.0	1.9

Fields	Soil Type	Crop	Yield Goal	Soil Loss T	RUSLE 2 Soil Loss
FOIA Exemption (b) (6)	429C2 Palsgrove silt loam, 5-10% slopes, eroded	Silage/Oats/ Alfalfa	30/60/7	3.0	1.7
	675B Greenbush silt loam, 2-5% slopes			5.0	3.1
FOIA Exemption (b) (6) North	29D2 Debuque silt loam, 10-18% slopes, eroded	Silage/Corn/Oats/ Alfalfa	30/180/60/7	2.0	1.9
FOIA Exemption (b) (6) Middle	429C2 Palsgrove silt loam, 5-10% slopes, eroded	Silage/Oats/ Alfalfa	30/60/7	3.0	1.7
FOIA Exemption (b) (6) South	429B Palsgrove silt loam, 2-5% slopes	Silage/Oats/ Alfalfa	30/60/7	3.0	1.0
	429C2 Palsgrove silt loam, 5-10% slopes, eroded			3.0	1.7
FOIA Exemption (b) (6) East	429C2 Palsgrove silt loam, 5-10% slopes, eroded	Silage/Corn/Oats/ Alfalfa	30/180/60/7	3.0	2.4
	29D2 Debuque silt loam, 10-18% slopes, eroded			2.0	1.9
FOIA Exemption (b) (6) West	675B Greenbush silt loam, 2-5% slopes	Silage	30	5.0	4.2
FOIA Exemption (b) (6) North of Creek	417D2 Derinda silt loam, 10-18% slopes, eroded	Silage/Corn/Oats/ Alfalfa	30/180/60/7	3.0	1.9
FOIA Exemption (b) (6)	429C2 Palsgrove silt loam, 5-10% slopes, eroded	Silage/Corn/Oats/ Alfalfa	30/180/60/7	3.0	2.4
	29D2 Debuque silt loam, 10-18% slopes, eroded			2.0	1.9
FOIA Exemption (b) (6)	233C2 Birbeck silt loam, 5-10% slopes, eroded	Silage/Corn/Oats/ Alfalfa	30/180/60/7	5.0	3.0
	429C2 Palsgrove silt loam, 5-10% slopes, eroded			3.0	2.4
South Ridge	429C2 Palsgrove silt loam, 5-10% slopes, eroded	Silage/Corn/Oats/ Alfalfa	30/180/60/7	3.0	2.4
	29D2 Debuque silt loam, 10-18% slopes, eroded			2.0	1.9

All fields meet T with planned management & rotations

Land Treatment Practices Current & Planned

Nutrient Management – Code 590 – Animal manures and commercial fertilizer will be applied to land to help meet crop nutrient needs. Soil testing, manure analysis, and record keeping will be performed. *(current & planned- All Fields)*

Waste Utilization – Code 633 - Animal manures will be applied to land in an environmentally acceptable manner to maintain or improve soil, air, water, and plant resources. *(current & planned – All Fields)*

Manure Transfer – Code 634 – Manure will be conveyed using structures, conduit, or equipment in order to transfer manure through a hopper, reception pit, pump, conduit, or hauling equipment to a manure storage facility, loading area, or to agricultural land for final utilization. *(current –& planned – Inject liquid broadcast solid manure)*

Residue Management – Code 329A – Land will be managed so as to distribute crops and residues over the soil surface year-round, and crops will be planted in narrow slots, or tilled residue strips previously untilled by full-width inversion implements to reduce sheet & rill erosion, wind erosion, maintain soil organic matter & tilth, conserve soil moisture, manage snow to increase plant available moisture, reduce plant damage from freezing, and to provide food & cover for wildlife. *(current & planned – All fields – all fields will be minimally tilled)*



RUSLE2 Profile Erosion Calculation Record

Fields: [FOIA Exemption (b) (6)]

File: Plan: Profile (Temp. scenario[1]) of [FOIA Exemption (b)] Farms*
Access Group: R2_NRCS_Fld_Office

Inputs:

Location: Illinois\Stephenson County

Soil: 233C2 Birkbeck silt loam, 5 to 10 percent slopes, eroded\Birkbeck silt loam 90&per;

Slope length (horiz): 150 ft

Avg. slope steepness: 7.5 %

<i>Management</i>	<i>Vegetation</i>	<i>Yield units</i>	<i>Yield (# of units)</i>
CMZ 17\c.Other Local Mgt Records [FOIA Exemption (b)] silage/oat/hay	Corn, silage	tons	23.000
CMZ 17\c.Other Local Mgt Records [FOIA Exemption (b)] silage/oat/hay	Corn, silage	tons	23.000
CMZ 17\c.Other Local Mgt Records [FOIA Exemption (b)] silage/oat/hay	Alfalfa/oat, nurse crop spring seed	bushels	60.000
CMZ 17\c.Other Local Mgt Records [FOIA Exemption (b)] silage/oat/hay	Alfalfa/oat, grwth after oat harv to y2 regrth	tons	1.5000
CMZ 17\c.Other Local Mgt Records [FOIA Exemption (b)] silage/oat/hay	Alfalfa, yr2 regrowth after cutting	tons	1.5000
CMZ 17\c.Other Local Mgt Records [FOIA Exemption (b)] silage/oat/hay	Alfalfa, yr2 regrowth after cutting	tons	1.5000
CMZ 17\c.Other Local Mgt Records [FOIA Exemption (b)] silage/oat/hay	Alfalfa, yr2 senes to yr3 regrowth	tons	2.2500
CMZ 17\c.Other Local Mgt Records [FOIA Exemption (b)] silage/oat/hay	Alfalfa, yr3 regrowth after cutting	tons	1.7000
CMZ 17\c.Other Local Mgt Records [FOIA Exemption (b)] silage/oat/hay	Alfalfa, yr3 regrowth after cutting	tons	1.7000
CMZ 17\c.Other Local Mgt Records [FOIA Exemption (b)] silage/oat/hay	Alfalfa, yr3 senes to yr4 regrowth	tons	2.5000

Contouring: a. rows up-and-down hill

Strips/barriers: (none)

Diversion/terrace, sediment basin: (none)

Subsurface drainage: (none)

Adjust res. burial level: bury 20% more than normal

General yield level: Set by user

Rock cover: 0 %

Outputs:

T value: 5.0 t/ac/yr

Soil loss erod. portion: 3.0 t/ac/yr

Detachment on slope: 3.0 t/ac/yr

Soil loss for cons. plan: 3.0 t/ac/yr

Sediment delivery: 3.0 t/ac/yr

Net C factor: 0.048

Net K factor: 0.41

Crit. slope length: -- ft

Surf. cover after planting: -- %

<i>Date</i>	<i>Operation</i>	<i>Vegetation</i>	<i>Surf. res. cov. after op, %</i>
11/1/0	Manure injector, liquid low disturb.30 inch		45
4/15/1	Planter, double disk opnr w/fluted coulter	Corn, silage	48
9/1/1	Harvest, silage		46
11/1/1	Manure injector, liquid low disturb.30 inch		31
4/15/2	Planter, double disk opnr w/fluted coulter	Corn, silage	22
9/1/2	Harvest, silage		24
4/10/3	Drill or airseeder, double disk	Alfalfa/oat, nurse crop spring seed	17
7/25/3	Harvest, killing crop 50pct standing stubble		71
7/26/3	Begin growth	Alfalfa/oat, grwth after oat harv to y2 regrth	70
6/1/4	Harvest, hay, legume	Alfalfa, yr2 regrowth after cutting	82
7/15/4	Harvest, hay, legume	Alfalfa, yr2 regrowth after cutting	78
9/1/4	Harvest, hay, legume	Alfalfa, yr2 senes to yr3 regrowth	72
6/1/5	Harvest, hay, legume	Alfalfa, yr3 regrowth after cutting	66
7/15/5	Harvest, hay, legume	Alfalfa, yr3 regrowth after cutting	61
9/1/5	Harvest, hay, legume	Alfalfa, yr3 senes to yr4 regrowth	55

Soil conditioning index (SCI): 0.49

Avg. annual slope STIR: 3.4

Wind & irrigation-induced erosion for SCI: 0 t/ac/yr

RUSLE2 Profile Erosion Calculation Record

Fields: Dairy

File: Plan: Profile (Temp. scenario[2]) of [FOIA Exemption (b)] Farms*
Access Group: R2_NRCS_Fld_Office

Inputs:

Location: Illinois\Stephenson County

Soil: 29D2 Dubuque silt loam, 10 to 18 percent slopes, eroded\Dubuque silt loam 90&per;

Slope length (horiz): 150 ft

Avg. slope steepness: 14 %

Management	Vegetation	Yield units	Yield (# of units)
CMZ 17\c.Other Local Mgt Records [FOIA Exemption (b)] hay	Alfalfa/oat, nurse crop spring seed	bushels	60.000
CMZ 17\c.Other Local Mgt Records [FOIA Exemption (b)] hay	Alfalfa/oat, grwth after oat harv to y2 regrth	tons	3.0000
CMZ 17\c.Other Local Mgt Records [FOIA Exemption (b)] hay	Alfalfa, yr2 regrowth after cutting	tons	2.0000
CMZ 17\c.Other Local Mgt Records [FOIA Exemption (b)] hay	Alfalfa, yr2 regrowth after cutting	tons	2.0000
CMZ 17\c.Other Local Mgt Records [FOIA Exemption (b)] hay	Alfalfa, yr2 senes to yr3 regrowth	tons	3.0000
CMZ 17\c.Other Local Mgt Records [FOIA Exemption (b)] hay	Alfalfa, yr3 regrowth after cutting	tons	2.0000
CMZ 17\c.Other Local Mgt Records [FOIA Exemption (b)] hay	Alfalfa, yr3 regrowth after cutting	tons	2.0000
CMZ 17\c.Other Local Mgt Records [FOIA Exemption (b)] hay	Alfalfa, yr3 senes to yr4 regrowth	tons	3.0000

Contouring: b. absolute row grade 2 percent

Strips/barriers: (none)

Diversion/terrace, sediment basin: (none)

Subsurface drainage: (none)

Adjust res. burial level: bury 20% more than normal

General yield level: Set by user

Rock cover: 0 %

Outputs:

T value: 2.0 t/ac/yr

Soil loss erod. portion: 0.31 t/ac/yr

Detachment on slope: 0.31 t/ac/yr

Soil loss for cons. plan: 0.31 t/ac/yr

Sediment delivery: 0.31 t/ac/yr

Net C factor: 0.0033

Net K factor: 0.41

Crit. slope length: 150 ft

Surf. cover after planting: -- %

<i>Date</i>	<i>Operation</i>	<i>Vegetation</i>	<i>Surf. res. cov. after op, %</i>
4/10/0	Drill or airseeder, double disk	Alfalfa/oat, nurse crop spring seed	58
7/25/0	Harvest, killing crop 50pct standing stubble		83
7/26/0	Begin growth	Alfalfa/oat, grwth after oat harv to y2 regrth	83
6/1/1	Harvest, hay, legume	Alfalfa, yr2 regrowth after cutting	93
7/15/1	Harvest, hay, legume	Alfalfa, yr2 regrowth after cutting	87
9/1/1	Harvest, hay, legume	Alfalfa, yr2 senes to yr3 regrowth	80
4/1/2	Manure spreader, liquid		79
6/1/2	Harvest, hay, legume	Alfalfa, yr3 regrowth after cutting	72
7/15/2	Harvest, hay, legume	Alfalfa, yr3 regrowth after cutting	64
9/1/2	Harvest, hay, legume	Alfalfa, yr3 senes to yr4 regrowth	58
11/15/2	Manure spreader, liquid		55

Soil conditioning index (SCI): 1.2

Avg. annual slope STIR: 2.7

Wind & irrigation-induced erosion for SCI: 0 t/ac/yr

RUSLE2 Profile Erosion Calculation Record

Fields: Church, FOIA Exemption (b) (6) North, FOIA Exemption (b) (6) East, FOIA Exemption (b) (6), South Ridge

File: Plan: Profile (Temp. scenario[1]) of FOIA Exemption (b) (6) Farms*
Access Group: R2_NRCS_Fld_Office

Inputs:

Location: Illinois\Stephenson County
 Soil: 29D2 Dubuque silt loam, 10 to 18 percent slopes, eroded\Dubuque silt loam 90&per;
 Slope length (horiz): 150 ft
 Avg. slope steepness: 14 %

Management	Vegetation	Yield units	Yield (# of units)
CMZ 17\c.Other Local Mgt Records silage/corn/oat/hay no soil finisher FOIA Exemption (b) (6)	Corn, silage	tons	30.000
CMZ 17\c.Other Local Mgt Records silage/corn/oat/hay no soil finisher FOIA Exemption (b) (6)	Corn, grain	bushels	180.00
CMZ 17\c.Other Local Mgt Records silage/corn/oat/hay no soil finisher FOIA Exemption (b) (6)	Alfalfa/oat, nurse crop spring seed	bushels	60.000
CMZ 17\c.Other Local Mgt Records silage/corn/oat/hay no soil finisher FOIA Exemption (b) (6)	Alfalfa/oat, grwth after oat harv to y2 regrth	tons	3.0000
CMZ 17\c.Other Local Mgt Records silage/corn/oat/hay no soil finisher FOIA Exemption (b) (6)	Alfalfa, yr2 regrowth after cutting	tons	2.0000
CMZ 17\c.Other Local Mgt Records silage/corn/oat/hay no soil finisher FOIA Exemption (b) (6)	Alfalfa, yr2 regrowth after cutting	tons	2.0000
CMZ 17\c.Other Local Mgt Records silage/corn/oat/hay no soil finisher FOIA Exemption (b) (6)	Alfalfa, yr2 senes to yr3 regrowth	tons	3.0000
CMZ 17\c.Other Local Mgt Records silage/corn/oat/hay no soil finisher FOIA Exemption (b) (6)	Alfalfa, yr3 regrowth after cutting	tons	2.0000
CMZ 17\c.Other Local Mgt Records silage/corn/oat/hay no soil finisher FOIA Exemption (b) (6)	Alfalfa, yr3 regrowth after cutting	tons	2.0000
CMZ 17\c.Other Local Mgt Records silage/corn/oat/hay no soil finisher FOIA Exemption (b) (6)	Alfalfa, yr3 senes to yr4 regrowth	tons	3.0000

Contouring: b. absolute row grade 2 percent
 Strips/barriers: (none)
 Diversion/terrace, sediment basin: (none)
 Subsurface drainage: (none)
 Adjust res. burial level: bury 20% more than normal
 General yield level: Set by user
 Rock cover: 0 %

Outputs:

T value: 2.0 t/ac/yr

Soil loss erod. portion: 1.9 t/ac/yr

Detachment on slope: 1.9 t/ac/yr

Soil loss for cons. plan: 1.9 t/ac/yr

Sediment delivery: 1.9 t/ac/yr

Net C factor: 0.018

Net K factor: 0.41

Crit. slope length: 150 ft

Surf. cover after planting: -- %

<i>Date</i>	<i>Operation</i>	<i>Vegetation</i>	<i>Surf. res. cov. after op, %</i>
11/1/0	Manure injector, liquid low disturb.30 inch		54
4/15/1	Planter, double disk opnr w/fluted coulter	Corn, silage	56
9/1/1	Harvest, silage		53
11/1/1	Manure injector, liquid low disturb.30 inch		36
4/15/2	Planter, double disk opnr w/fluted coulter	Corn, grain	26
9/1/2	Harvest, killing crop 30pct standing stubble		93
4/10/3	Drill or airseeder, double disk	Alfalfa/oat, nurse crop spring seed	75
7/25/3	Harvest, killing crop 50pct standing stubble		82
7/26/3	Begin growth	Alfalfa/oat, grwth after oat harv to y2 regrth	82
6/1/4	Harvest, hay, legume	Alfalfa, yr2 regrowth after cutting	93
7/15/4	Harvest, hay, legume	Alfalfa, yr2 regrowth after cutting	88
9/1/4	Harvest, hay, legume	Alfalfa, yr2 senes to yr3 regrowth	81
6/1/5	Harvest, hay, legume	Alfalfa, yr3 regrowth after cutting	76
7/15/5	Harvest, hay, legume	Alfalfa, yr3 regrowth after cutting	68
9/1/5	Harvest, hay, legume	Alfalfa, yr3 senes to yr4 regrowth	62

Soil conditioning index (SCI): 0.86

Avg. annual slope STIR: 3.4

Wind & irrigation-induced erosion for SCI: 0 t/ac/yr

RUSLE2 Profile Erosion Calculation Record

Fields: Hershey, [FOIA Exemption (b)(6)], [FOIA Exemption (b)(6)] North of Creek

File: Plan: Profile (Temp. scenario[2]) [FOIA Exemption (b)(6)] Farms*
Access Group: R2_NRCS_Fld_Office

Inputs:

Location: Illinois\Stephenson County
 Soil: 417D2 Derinda silt loam, 10 to 18 percent slopes, eroded\Derinda silt loam 90&per;
 Slope length (horiz): 150 ft
 Avg. slope steepness: 14 %

Management	Vegetation	Yield units	Yield (# of units)
CMZ 17\c.Other Local Mgt Records [FOIA Exemption (b)(6)] silage/corn/oat/hay no soil finisher	Corn, silage	tons	30.000
CMZ 17\c.Other Local Mgt Records [FOIA Exemption (b)(6)] silage/corn/oat/hay no soil finisher	Corn, grain	bushels	180.00
CMZ 17\c.Other Local Mgt Records [FOIA Exemption (b)(6)] silage/corn/oat/hay no soil finisher	Alfalfa/oat, nurse crop spring seed	bushels	60.000
CMZ 17\c.Other Local Mgt Records [FOIA Exemption (b)(6)] silage/corn/oat/hay no soil finisher	Alfalfa/oat, grwth after oat harv to y2 regrth	tons	3.0000
CMZ 17\c.Other Local Mgt Records [FOIA Exemption (b)(6)] silage/corn/oat/hay no soil finisher	Alfalfa, yr2 regrowth after cutting	tons	2.0000
CMZ 17\c.Other Local Mgt Records [FOIA Exemption (b)(6)] silage/corn/oat/hay no soil finisher	Alfalfa, yr2 regrowth after cutting	tons	2.0000
CMZ 17\c.Other Local Mgt Records [FOIA Exemption (b)(6)] silage/corn/oat/hay no soil finisher	Alfalfa, yr2 senes to yr3 regrowth	tons	3.0000
CMZ 17\c.Other Local Mgt Records [FOIA Exemption (b)(6)] silage/corn/oat/hay no soil finisher	Alfalfa, yr3 regrowth after cutting	tons	2.0000
CMZ 17\c.Other Local Mgt Records [FOIA Exemption (b)(6)] silage/corn/oat/hay no soil finisher	Alfalfa, yr3 regrowth after cutting	tons	2.0000
CMZ 17\c.Other Local Mgt Records [FOIA Exemption (b)(6)] silage/corn/oat/hay no soil finisher	Alfalfa, yr3 senes to yr4 regrowth	tons	3.0000

Contouring: b. absolute row grade 2 percent
 Strips/barriers: (none)
 Diversion/terrace, sediment basin: (none)
 Subsurface drainage: (none)
 Adjust res. burial level: bury 20% more than normal
 General yield level: Set by user
 Rock cover: 0 %

Outputs:

T value: 3.0 t/ac/yr

Soil loss erod. portion: 1.9 t/ac/yr

Detachment on slope: 1.9 t/ac/yr

Soil loss for cons. plan: 1.9 t/ac/yr

Sediment delivery: 1.9 t/ac/yr

Net C factor: 0.018

Net K factor: 0.41

Crit. slope length: 150 ft

Surf. cover after planting: -- %

<i>Date</i>	<i>Operation</i>	<i>Vegetation</i>	<i>Surf. res. cov. after op, %</i>
11/1/0	Manure injector, liquid low disturb.30 inch		54
4/15/1	Planter, double disk opnr w/fluted coulter	Corn, silage	56
9/1/1	Harvest, silage		53
11/1/1	Manure injector, liquid low disturb.30 inch		36
4/15/2	Planter, double disk opnr w/fluted coulter	Corn, grain	26
9/1/2	Harvest, killing crop 30pct standing stubble		93
4/10/3	Drill or airseeder, double disk	Alfalfa/oat, nurse crop spring seed	75
7/25/3	Harvest, killing crop 50pct standing stubble		82
7/26/3	Begin growth	Alfalfa/oat, grwth after oat harv to y2 regrth	82
6/1/4	Harvest, hay, legume	Alfalfa, yr2 regrowth after cutting	93
7/15/4	Harvest, hay, legume	Alfalfa, yr2 regrowth after cutting	88
9/1/4	Harvest, hay, legume	Alfalfa, yr2 senes to yr3 regrowth	81
6/1/5	Harvest, hay, legume	Alfalfa, yr3 regrowth after cutting	76
7/15/5	Harvest, hay, legume	Alfalfa, yr3 regrowth after cutting	68
9/1/5	Harvest, hay, legume	Alfalfa, yr3 senes to yr4 regrowth	62

Soil conditioning index (SCI): 0.86

Avg. annual slope STIR: 3.4

Wind & irrigation-induced erosion for SCI: 0 t/ac/yr

RUSLE2 Profile Erosion Calculation Record

Fields: FOIA Exemption (b) **NO MANURE on D SLOPES**

File: Plan: Profile (Temp. scenario[1]) of FOIA Exemption (b) Farms*
Access Group: R2_NRCS_Fld_Office

Inputs:

Location: Illinois\Stephenson County

Soil: 417D2 Derinda silt loam, 10 to 18 percent slopes, eroded\Derinda silt loam 90&per;

Slope length (horiz): 150 ft

Avg. slope steepness: 14 %

Management	Vegetation	Yield units	Yield (# of units)
CMZ 17\c.Other Local Mgt Records FOIA Exemption (b) silage/oat/hay reduced tillage	Corn, silage	tons	30.000
CMZ 17\c.Other Local Mgt Records FOIA Exemption (b) silage/oat/hay reduced tillage	Corn, silage	tons	30.000
CMZ 17\c.Other Local Mgt Records FOIA Exemption (b) silage/oat/hay reduced tillage	Alfalfa/oat, nurse crop spring seed	bushels	60.000
CMZ 17\c.Other Local Mgt Records FOIA Exemption (b) silage/oat/hay reduced tillage	Alfalfa/oat, grwth after oat harv to y2 regrth	tons	3.0000
CMZ 17\c.Other Local Mgt Records FOIA Exemption (b) silage/oat/hay reduced tillage	Alfalfa, yr2 regrowth after cutting	tons	2.0000
CMZ 17\c.Other Local Mgt Records FOIA Exemption (b) silage/oat/hay reduced tillage	Alfalfa, yr2 regrowth after cutting	tons	2.0000
CMZ 17\c.Other Local Mgt Records FOIA Exemption (b) silage/oat/hay reduced tillage	Alfalfa, yr2 senes to yr3 regrowth	tons	3.0000
CMZ 17\c.Other Local Mgt Records FOIA Exemption (b) silage/oat/hay reduced tillage	Alfalfa, yr3 regrowth after cutting	tons	2.0000
CMZ 17\c.Other Local Mgt Records FOIA Exemption (b) silage/oat/hay reduced tillage	Alfalfa, yr3 regrowth after cutting	tons	2.0000
CMZ 17\c.Other Local Mgt Records FOIA Exemption (b) silage/oat/hay reduced tillage	Alfalfa, yr3 senes to yr4 regrowth	tons	2.5000

Contouring: b. absolute row grade 2 percent

Strips/barriers: (none)

Diversion/terrace, sediment basin: (none)

Subsurface drainage: (none)

Adjust res. burial level: bury 20% more than normal

General yield level: Set by user

Rock cover: 0 %

Outputs:

T value: 3.0 t/ac/yr

Soil loss erod. portion: 2.7 t/ac/yr

Detachment on slope: 2.7 t/ac/yr

Soil loss for cons. plan: 2.7 t/ac/yr

Sediment delivery: 2.7 t/ac/yr

Net C factor: 0.026

Net K factor: 0.41

Crit. slope length: 150 ft

Surf. cover after planting: -- %

<i>Date</i>	<i>Operation</i>	<i>Vegetation</i>	<i>Surf. res. cov. after op, %</i>
4/15/0	Planter, double disk opnr w/fluted coulter	Corn, silage	57
9/1/0	Harvest, silage		51
4/15/1	Planter, double disk opnr w/fluted coulter	Corn, silage	31
9/1/1	Harvest, silage		31
4/10/2	Drill or airseeder, double disk	Alfalfa/oat, nurse crop spring seed	21
7/25/2	Harvest, killing crop 50pct standing stubble		71
7/26/2	Begin growth	Alfalfa/oat, grwth after oat harv to y2 regrth	71
6/1/3	Harvest, hay, legume	Alfalfa, yr2 regrowth after cutting	92
7/15/3	Harvest, hay, legume	Alfalfa, yr2 regrowth after cutting	87
9/1/3	Harvest, hay, legume	Alfalfa, yr2 senes to yr3 regrowth	80
6/1/4	Harvest, hay, legume	Alfalfa, yr3 regrowth after cutting	75
7/15/4	Harvest, hay, legume	Alfalfa, yr3 regrowth after cutting	68
9/1/4	Harvest, hay, legume	Alfalfa, yr3 senes to yr4 regrowth	61

Soil conditioning index (SCI): 0.67

Avg. annual slope STIR: 2.5

Wind & irrigation-induced erosion for SCI: 0 t/ac/yr



RUSLE2 Profile Erosion Calculation Record

Fields: [FOIA Exemption (b)(6)] **South**

File: Plan: Profile (Temp. scenario[1]) of [FOIA Exemption (b)(6)] Farms*
Access Group: R2_NRCS_Fld_Office

Inputs:

Location: Illinois\Stephenson County

Soil: 429B Palsgrove silt loam, 2 to 5 percent slopes\Palsgrove silt loam 92&per;

Slope length (horiz): 150 ft

Avg. slope steepness: 3.0 %

Management	Vegetation	Yield units	Yield (# of units)
CMZ 17\c.Other Local Mgt Records [FOIA Exemption (b)(6)] 2silage/oat/hay	Corn, silage	tons	30.000
CMZ 17\c.Other Local Mgt Records [FOIA Exemption (b)(6)] 2silage/oat/hay	Corn, silage	tons	30.000
CMZ 17\c.Other Local Mgt Records [FOIA Exemption (b)(6)] 2silage/oat/hay	Alfalfa/oat, nurse crop spring seed	bushels	60.000
CMZ 17\c.Other Local Mgt Records [FOIA Exemption (b)(6)] 2silage/oat/hay	Alfalfa/oat, grwth after oat harv to y2 regrth	tons	3.0000
CMZ 17\c.Other Local Mgt Records [FOIA Exemption (b)(6)] 2silage/oat/hay	Alfalfa, yr2 regrowth after cutting	tons	2.0000
CMZ 17\c.Other Local Mgt Records [FOIA Exemption (b)(6)] 2silage/oat/hay	Alfalfa, yr2 regrowth after cutting	tons	2.0000
CMZ 17\c.Other Local Mgt Records [FOIA Exemption (b)(6)] 2silage/oat/hay	Alfalfa, yr2 senes to yr3 regrowth	tons	3.0000
CMZ 17\c.Other Local Mgt Records [FOIA Exemption (b)(6)] 2silage/oat/hay	Alfalfa, yr3 regrowth after cutting	tons	2.0000
CMZ 17\c.Other Local Mgt Records [FOIA Exemption (b)(6)] 2silage/oat/hay	Alfalfa, yr3 regrowth after cutting	tons	2.0000
CMZ 17\c.Other Local Mgt Records [FOIA Exemption (b)(6)] 2silage/oat/hay	Alfalfa, yr3 senes to yr4 regrowth	tons	3.0000

Contouring: default

Strips/barriers: (none)

Diversion/terrace, sediment basin: (none)

Subsurface drainage: (none)

Adjust res. burial level: bury 20% more than normal

General yield level: Set by user

Rock cover: 0 %

Outputs:

T value: 3.0 t/ac/yr

Soil loss erod. portion: 0.97 t/ac/yr

Detachment on slope: 0.97 t/ac/yr

Soil loss for cons. plan: 0.97 t/ac/yr

Sediment delivery: 0.97 t/ac/yr

Net C factor: 0.041

Net K factor: 0.41

Crit. slope length: -- ft

Surf. cover after planting: -- %

<i>Date</i>	<i>Operation</i>	<i>Vegetation</i>	<i>Surf. res. cov. after op, %</i>
11/1/0	Manure injector, liquid low disturb.30 inch		54
11/15/0	Chisel plow, disk, st. pts.		17
4/1/1	Seedbed finisher, snl disk, fld cult, coil tine har, rolling bskt		5.4
4/15/1	Planter, double disk opnr w/fluted coulter	Corn, silage	4.9
9/1/1	Harvest, killing crop 30pct standing stubble		98
11/1/1	Manure injector, liquid low disturb.30 inch		92
11/15/1	Chisel plow, disk, st. pts.		46
4/1/2	Seedbed finisher, snl disk, fld cult, coil tine har, rolling bskt		12
4/15/2	Planter, double disk opnr w/fluted coulter	Corn, silage	12
9/1/2	Harvest, killing crop 30pct standing stubble		98
4/10/3	Drill or airseeder, double disk	Alfalfa/oat, nurse crop spring seed	87
7/25/3	Harvest, killing crop 50pct standing stubble		87
7/26/3	Begin growth	Alfalfa/oat, grwth after oat harv to y2 regrth	87
6/1/4	Harvest, hay, legume	Alfalfa, yr2 regrowth after cutting	93
7/15/4	Harvest, hay, legume	Alfalfa, yr2 regrowth after cutting	88
9/1/4	Harvest, hay, legume	Alfalfa, yr2 senes to yr3 regrowth	81
6/1/5	Harvest, hay, legume	Alfalfa, yr3 regrowth after cutting	76
7/15/5	Harvest, hay, legume	Alfalfa, yr3 regrowth after cutting	69
9/1/5	Harvest, hay, legume	Alfalfa, yr3 senes to yr4 regrowth	62

Soil conditioning index (SCI): 0.91

Avg. annual slope STIR: 44

Wind & irrigation-induced erosion for SCI: 0 t/ac/yr

RUSLE2 Profile Erosion Calculation Record

Fields: Dairy

File: Plan: Profile (Temp. scenario[1]) of [REDACTED] Farms*
Access Group: R2_NRCS_Fld_Office

Inputs:

Location: Illinois\Stephenson County
 Soil: 429C2 Palsgrove silt loam, 5 to 10 percent slopes, eroded\Palsgrove silt loam 90&per;
 Slope length (horiz): 150 ft
 Avg. slope steepness: 7.5 %

Management	Vegetation	Yield units	Yield (# of units)
CMZ 17\c.Other Local Mgt Records [REDACTED] hay	Alfalfa/oat, nurse crop spring seed	bushels	60.000
CMZ 17\c.Other Local Mgt Records [REDACTED] hay	Alfalfa/oat, grwth after oat harv to y2 regrth	tons	1.5000
CMZ 17\c.Other Local Mgt Records [REDACTED] hay	Alfalfa, yr2 regrowth after cutting	tons	1.5000
CMZ 17\c.Other Local Mgt Records [REDACTED] hay	Alfalfa, yr2 regrowth after cutting	tons	1.5000
CMZ 17\c.Other Local Mgt Records [REDACTED] hay	Alfalfa, yr2 senes to yr3 regrowth	tons	2.2500
CMZ 17\c.Other Local Mgt Records [REDACTED] hay	Alfalfa, yr3 regrowth after cutting	tons	1.7000
CMZ 17\c.Other Local Mgt Records [REDACTED] hay	Alfalfa, yr3 regrowth after cutting	tons	1.7000
CMZ 17\c.Other Local Mgt Records [REDACTED] hay	Alfalfa, yr3 senes to yr4 regrowth	tons	2.5000

Contouring: a. rows up-and-down hill
 Strips/barriers: (none)
 Diversion/terrace, sediment basin: (none)
 Subsurface drainage: (none)
 Adjust res. burial level: bury 20% more than normal
 General yield level: Set by user
 Rock cover: 0 %

Outputs:

T value: 3.0 t/ac/yr

Soil loss erod. portion: 0.50 t/ac/yr

Detachment on slope: 0.50 t/ac/yr

Soil loss for cons. plan: 0.50 t/ac/yr

Sediment delivery: 0.50 t/ac/yr

Net C factor: 0.0091

Net K factor: 0.41

Crit. slope length: -- ft

Surf. cover after planting: -- %

<i>Date</i>	<i>Operation</i>	<i>Vegetation</i>	<i>Surf. res. cov. after op, %</i>
4/10/0	Drill or airseeder, double disk	Alfalfa/oat, nurse crop spring seed	50
7/25/0	Harvest, killing crop 50pct standing stubble		81
7/26/0	Begin growth	Alfalfa/oat, grwth after oat harv to y2 regrth	81
6/1/1	Harvest, hay, legume	Alfalfa, yr2 regrowth after cutting	84
7/15/1	Harvest, hay, legume	Alfalfa, yr2 regrowth after cutting	79
9/1/1	Harvest, hay, legume	Alfalfa, yr2 senes to yr3 regrowth	73
4/1/2	Manure spreader, liquid		73
6/1/2	Harvest, hay, legume	Alfalfa, yr3 regrowth after cutting	63
7/15/2	Harvest, hay, legume	Alfalfa, yr3 regrowth after cutting	57
9/1/2	Harvest, hay, legume	Alfalfa, yr3 senes to yr4 regrowth	52
11/15/2	Manure spreader, liquid		47

Soil conditioning index (SCI): 0.96

Avg. annual slope STIR: 2.7

Wind & irrigation-induced erosion for SCI: 0 t/ac/yr

RUSLE2 Profile Erosion Calculation Record

Fields: Church, [FOIA Exemption (b) (6)] East, [FOIA Exemption (b) (6)] [FOIA Exemption (b) (6)], South Ridge

File: Plan: Profile (Temp. scenario[2]) of [FOIA Exemption (b) (6)] Farms*
Access Group: R2_NRCS_Fld_Office

Inputs:

Location: Illinois\Stephenson County

Soil: 429C2 Palsgrove silt loam, 5 to 10 percent slopes, eroded\Palsgrove silt loam 90&per;

Slope length (horiz): 150 ft

Avg. slope steepness: 7.5 %

Management	Vegetation	Yield units	Yield (# of units)
CMZ 17\c.Other Local Mgt Records [FOIA Exemption (b) (6)] silage/corn/oat/hay	Corn, silage	tons	30.000
CMZ 17\c.Other Local Mgt Records [FOIA Exemption (b) (6)] silage/corn/oat/hay	Corn, grain	bushels	180.00
CMZ 17\c.Other Local Mgt Records [FOIA Exemption (b) (6)] silage/corn/oat/hay	Alfalfa/oat, nurse crop spring seed	bushels	60.000
CMZ 17\c.Other Local Mgt Records [FOIA Exemption (b) (6)] silage/corn/oat/hay	Alfalfa/oat, grwth after oat harv to y2 regrth	tons	3.0000
CMZ 17\c.Other Local Mgt Records [FOIA Exemption (b) (6)] silage/corn/oat/hay	Alfalfa, yr2 regrowth after cutting	tons	2.0000
CMZ 17\c.Other Local Mgt Records [FOIA Exemption (b) (6)] silage/corn/oat/hay	Alfalfa, yr2 regrowth after cutting	tons	2.0000
CMZ 17\c.Other Local Mgt Records [FOIA Exemption (b) (6)] silage/corn/oat/hay	Alfalfa, yr2 senes to yr3 regrowth	tons	3.0000
CMZ 17\c.Other Local Mgt Records [FOIA Exemption (b) (6)] silage/corn/oat/hay	Alfalfa, yr3 regrowth after cutting	tons	2.0000
CMZ 17\c.Other Local Mgt Records [FOIA Exemption (b) (6)] silage/corn/oat/hay	Alfalfa, yr3 regrowth after cutting	tons	2.0000
CMZ 17\c.Other Local Mgt Records [FOIA Exemption (b) (6)] silage/corn/oat/hay	Alfalfa, yr3 senes to yr4 regrowth	tons	3.0000

Contouring: a. rows up-and-down hill

Strips/barriers: (none)

Diversion/terrace, sediment basin: (none)

Subsurface drainage: (none)

Adjust res. burial level: bury 20% more than normal

General yield level: Set by user

Rock cover: 0 %

Outputs:

T value: 3.0 t/ac/yr

Soil loss erod. portion: 2.4 t/ac/yr

Detachment on slope: 2.4 t/ac/yr

Soil loss for cons. plan: 2.4 t/ac/yr

Sediment delivery: 2.4 t/ac/yr

Net C factor: 0.037

Net K factor: 0.41

Crit. slope length: -- ft

Surf. cover after planting: -- %

<i>Date</i>	<i>Operation</i>	<i>Vegetation</i>	<i>Surf. res. cov. after op, %</i>
11/1/0	Manure injector, liquid low disturb.30 inch		54
4/15/1	Planter, double disk opnr w/fluted coulter	Corn, silage	56
9/1/1	Harvest, silage		53
11/1/1	Manure injector, liquid low disturb.30 inch		36
4/1/2	Seedbed finisher, sngl disk, fld cult, coil tine har, rolling bskt		4.9
4/15/2	Planter, double disk opnr w/fluted coulter	Corn, grain	4.2
9/1/2	Harvest, killing crop 30pct standing stubble		92
4/10/3	Drill or airseeder, double disk	Alfalfa/oat, nurse crop spring seed	74
7/25/3	Harvest, killing crop 50pct standing stubble		82
7/26/3	Begin growth	Alfalfa/oat, grwth after oat harv to y2 regrth	82
6/1/4	Harvest, hay, legume	Alfalfa, yr2 regrowth after cutting	93
7/15/4	Harvest, hay, legume	Alfalfa, yr2 regrowth after cutting	88
9/1/4	Harvest, hay, legume	Alfalfa, yr2 senes to yr3 regrowth	81
6/1/5	Harvest, hay, legume	Alfalfa, yr3 regrowth after cutting	76
7/15/5	Harvest, hay, legume	Alfalfa, yr3 regrowth after cutting	68
9/1/5	Harvest, hay, legume	Alfalfa, yr3 senes to yr4 regrowth	62

Soil conditioning index (SCI): 0.77

Avg. annual slope STIR: 13

Wind & irrigation-induced erosion for SCI: 0 t/ac/yr



RUSLE2 Profile Erosion Calculation Record

Fields: [FOIA Exemption (b) (6)], [FOIA Exemption (b) (6)], [FOIA Exemption (b) (6)] **Middle, Musser South**

File: Plan: Profile (Temp. scenario[1]) of [FOIA Exemption (b) (6)] Farms*

Access Group: R2_NRCS_Fld_Office

Inputs:

Location: Illinois\Stephenson County

Soil: 429C2 Palsgrove silt loam, 5 to 10 percent slopes, eroded\Palsgrove silt loam 90&per;

Slope length (horiz): 150 ft

Avg. slope steepness: 7.5 %

Management	Vegetation	Yield units	Yield (# of units)
CMZ 17\c.Other Local Mgt Records [FOIA Exemption (b) (6)] silage/oat/hay	Corn, silage	tons	30.000
CMZ 17\c.Other Local Mgt Records [FOIA Exemption (b) (6)] silage/oat/hay	Corn, silage	tons	30.000
CMZ 17\c.Other Local Mgt Records [FOIA Exemption (b) (6)] silage/oat/hay	Alfalfa/oat, nurse crop spring seed	bushels	60.000
CMZ 17\c.Other Local Mgt Records [FOIA Exemption (b) (6)] silage/oat/hay	Alfalfa/oat, grwth after oat harv to y2 regrth	tons	3.0000
CMZ 17\c.Other Local Mgt Records [FOIA Exemption (b) (6)] silage/oat/hay	Alfalfa, yr2 regrowth after cutting	tons	2.0000
CMZ 17\c.Other Local Mgt Records [FOIA Exemption (b) (6)] silage/oat/hay	Alfalfa, yr2 regrowth after cutting	tons	2.0000
CMZ 17\c.Other Local Mgt Records [FOIA Exemption (b) (6)] silage/oat/hay	Alfalfa, yr2 senes to yr3 regrowth	tons	3.0000
CMZ 17\c.Other Local Mgt Records [FOIA Exemption (b) (6)] silage/oat/hay	Alfalfa, yr3 regrowth after cutting	tons	2.0000
CMZ 17\c.Other Local Mgt Records [FOIA Exemption (b) (6)] silage/oat/hay	Alfalfa, yr3 regrowth after cutting	tons	2.0000
CMZ 17\c.Other Local Mgt Records [FOIA Exemption (b) (6)] silage/oat/hay	Alfalfa, yr3 senes to yr4 regrowth	tons	3.0000

Contouring: b. absolute row grade 2 percent

Strips/barriers: (none)

Diversion/terrace, sediment basin: (none)

Subsurface drainage: (none)

Adjust res. burial level: bury 20% more than normal

General yield level: Set by user

Rock cover: 0 %

Outputs:

T value: 3.0 t/ac/yr

Soil loss erod. portion: 1.7 t/ac/yr

Detachment on slope: 1.7 t/ac/yr

Soil loss for cons. plan: 1.7 t/ac/yr

Sediment delivery: 1.7 t/ac/yr

Net C factor: 0.034

Net K factor: 0.41

Crit. slope length: 150 ft

Surf. cover after planting: -- %

<i>Date</i>	<i>Operation</i>	<i>Vegetation</i>	<i>Surf. res. cov. after op, %</i>
11/1/0	Manure injector, liquid low disturb.30 inch		54
4/15/1	Planter, double disk opnr w/fluted coulter	Corn, silage	56
9/1/1	Harvest, silage		53
11/1/1	Manure injector, liquid low disturb.30 inch		36
4/15/2	Planter, double disk opnr w/fluted coulter	Corn, silage	26
9/1/2	Harvest, silage		29
4/10/3	Drill or airseeder, double disk	Alfalfa/oat, nurse crop spring seed	21
7/25/3	Harvest, killing crop 50pct standing stubble		71
7/26/3	Begin growth	Alfalfa/oat, grwth after oat harv to y2 regrth	71
6/1/4	Harvest, hay, legume	Alfalfa, yr2 regrowth after cutting	92
7/15/4	Harvest, hay, legume	Alfalfa, yr2 regrowth after cutting	87
9/1/4	Harvest, hay, legume	Alfalfa, yr2 senes to yr3 regrowth	80
6/1/5	Harvest, hay, legume	Alfalfa, yr3 regrowth after cutting	75
7/15/5	Harvest, hay, legume	Alfalfa, yr3 regrowth after cutting	68
9/1/5	Harvest, hay, legume	Alfalfa, yr3 senes to yr4 regrowth	61

Soil conditioning index (SCI): 0.76

Avg. annual slope STIR: 3.4

Wind & irrigation-induced erosion for SCI: 0 t/ac/yr

RUSLE2 Profile Erosion Calculation Record

Fields: [FOIA Exemption (b)]

File: Plan: Profile (Temp. scenario[1]) of [FOIA Exemption (b)] Farms*
Access Group: R2_NRCS_Fld_Office

Inputs:

Location: Illinois\Stephenson County
 Soil: 429D2 Palsgrove silt loam, 7 to 18 percent slopes, eroded\Palsgrove silt loam 100%
 Slope length (horiz): 150 ft
 Avg. slope steepness: 13 %

Management	Vegetation	Yield units	Yield (# of units)
CMZ 17\c.Other Local Mgt Records [FOIA Exemption (b)] silage/oat/hay	Corn, silage	tons	30.000
CMZ 17\c.Other Local Mgt Records [FOIA Exemption (b)] silage/oat/hay	Corn, silage	tons	30.000
CMZ 17\c.Other Local Mgt Records [FOIA Exemption (b)] silage/oat/hay	Alfalfa/oat, nurse crop spring seed	bushels	60.000
CMZ 17\c.Other Local Mgt Records [FOIA Exemption (b)] silage/oat/hay	Alfalfa/oat, grwth after oat harv to y2 regrth	tons	3.0000
CMZ 17\c.Other Local Mgt Records [FOIA Exemption (b)] silage/oat/hay	Alfalfa, yr2 regrowth after cutting	tons	2.0000
CMZ 17\c.Other Local Mgt Records [FOIA Exemption (b)] silage/oat/hay	Alfalfa, yr2 regrowth after cutting	tons	2.0000
CMZ 17\c.Other Local Mgt Records [FOIA Exemption (b)] silage/oat/hay	Alfalfa, yr2 senes to yr3 regrowth	tons	3.0000
CMZ 17\c.Other Local Mgt Records [FOIA Exemption (b)] silage/oat/hay	Alfalfa, yr3 regrowth after cutting	tons	2.0000
CMZ 17\c.Other Local Mgt Records [FOIA Exemption (b)] silage/oat/hay	Alfalfa, yr3 regrowth after cutting	tons	2.0000
CMZ 17\c.Other Local Mgt Records [FOIA Exemption (b)] silage/oat/hay	Alfalfa, yr3 senes to yr4 regrowth	tons	3.0000

Contouring: a. rows up-and-down hill
 Strips/barriers: (none)
 Diversion/terrace, sediment basin: (none)
 Subsurface drainage: (none)
 Adjust res. burial level: bury 20% more than normal
 General yield level: Set by user
 Rock cover: 0 %

Outputs:

T value: 4.0 t/ac/yr

Soil loss erod. portion: 3.2 t/ac/yr

Detachment on slope: 3.2 t/ac/yr

Soil loss for cons. plan: 3.2 t/ac/yr

Sediment delivery: 3.2 t/ac/yr

Net C factor: 0.033

Net K factor: 0.31

Crit. slope length: -- ft

Surf. cover after planting: -- %

<i>Date</i>	<i>Operation</i>	<i>Vegetation</i>	<i>Surf. res. cov. after op, %</i>
11/1/0	Manure injector, liquid low disturb.30 inch		54
4/15/1	Planter, double disk opnr w/fluted coulter	Corn, silage	56
9/1/1	Harvest, silage		53
11/1/1	Manure injector, liquid low disturb.30 inch		36
4/15/2	Planter, double disk opnr w/fluted coulter	Corn, silage	26
9/1/2	Harvest, silage		29
4/10/3	Drill or airseeder, double disk	Alfalfa/oat, nurse crop spring seed	21
7/25/3	Harvest, killing crop 50pct standing stubble		71
7/26/3	Begin growth	Alfalfa/oat, grwth after oat harv to y2 regrth	71
6/1/4	Harvest, hay, legume	Alfalfa, yr2 regrowth after cutting	92
7/15/4	Harvest, hay, legume	Alfalfa, yr2 regrowth after cutting	87
9/1/4	Harvest, hay, legume	Alfalfa, yr2 senes to yr3 regrowth	80
6/1/5	Harvest, hay, legume	Alfalfa, yr3 regrowth after cutting	75
7/15/5	Harvest, hay, legume	Alfalfa, yr3 regrowth after cutting	68
9/1/5	Harvest, hay, legume	Alfalfa, yr3 senes to yr4 regrowth	61

Soil conditioning index (SCI): 0.64

Avg. annual slope STIR: 3.4

Wind & irrigation-induced erosion for SCI: 0 t/ac/yr

RUSLE2 Profile Erosion Calculation Record

Fields: FOIA Exemption (b) (6) West

File: Plan: Profile (Temp. scenario[2]) of FOIA Exemption (b) Farms*

Access Group: R2_NRCS_Fld_Office

Inputs:

Location: Illinois\Stephenson County

Soil: 675B Greenbush silt loam, 2 to 5 percent slopes\Greenbush silt loam 95%

Slope length (horiz): 150 ft

Avg. slope steepness: 3.5 %

Management	Vegetation	Yield units	Yield (# of units)
CMZ 17/c.Other Local Mgt Records FOIA Exemption (b) silage	Corn, silage	tons	30.000
CMZ 17/c.Other Local Mgt Records FOIA Exemption (b) silage	Corn, silage	tons	30.000
CMZ 17/c.Other Local Mgt Records FOIA Exemption (b) n silage	Corn, silage	tons	30.000

Contouring: d. relative row grade 2 percent of slope grade

Strips/barriers: (none)

Diversion/terrace, sediment basin: (none)

Subsurface drainage: (none)

Adjust res. burial level: bury 20% more than normal

General yield level: Set by user

Rock cover: 0 %

Outputs:

T value: 5.0 t/ac/yr

Soil loss erod. portion: 4.2 t/ac/yr

Detachment on slope: 4.2 t/ac/yr

Soil loss for cons. plan: 4.2 t/ac/yr

Sediment delivery: 4.2 t/ac/yr

Net C factor: 0.23

Net K factor: 0.36

Crit. slope length: 150 ft

Surf. cover after planting: -- %

Date	Operation	Vegetation	Surf. res. cov. after op, %
11/1/0	Manure injector, liquid low disturb.30 inch		22
4/15/1	Seedbed finisher, sngl disk, fld cult, coil tine har, rolling bskt		2.6
4/15/1	Planter, double disk opnr w/fluted coulter	Corn, silage	2.6
9/1/1	Harvest, silage		24
11/1/1	Manure injector, liquid low disturb.30 inch		22
4/15/2	Seedbed finisher, sngl disk, fld cult, coil tine har, rolling bskt		2.6
4/15/2	Planter, double disk opnr w/fluted coulter	Corn, silage	2.6
9/1/2	Harvest, silage		24
11/1/2	Manure injector, liquid low disturb.30 inch		22
4/15/3	Seedbed finisher, sngl disk, fld cult, coil tine har, rolling bskt		2.6
4/15/3	Planter, double disk opnr w/fluted coulter	Corn, silage	2.6
9/1/3	Harvest, silage		24

Soil conditioning index (SCI): -0.12

Avg. annual slope STIR: 53

Wind & irrigation-induced erosion for SCI: 0 t/ac/yr

RUSLE2 Profile Erosion Calculation Record

Fields: FOIA Exemption (b) (6)

File: Plan: Profile (Temp. scenario[1]) of FOIA Exemption (b) Farms*
Access Group: R2_NRCS_Fld_Office

Inputs:

Location: Illinois\Stephenson County
 Soil: 675B Greenbush silt loam, 2 to 5 percent slopes\Greenbush silt loam 95&per;
 Slope length (horiz): 150 ft
 Avg. slope steepness: 3.5 %

Management	Vegetation	Yield units	Yield (# of units)
CMZ 17\c.Other Local Mgt Records silage/oat/hay Tillage FOIA Exemption (b)	Corn, silage	tons	23.000
CMZ 17\c.Other Local Mgt Records silage/oat/hay Tillage FOIA Exemption (b)	Corn, silage	tons	23.000
CMZ 17\c.Other Local Mgt Records silage/oat/hay Tillage FOIA Exemption (b)	Alfalfa/oat, nurse crop spring seed	bushels	60.000
CMZ 17\c.Other Local Mgt Records silage/oat/hay Tillage FOIA Exemption (b)	Alfalfa/oat, grwth after oat harv to y2 regrth	tons	1.5000
CMZ 17\c.Other Local Mgt Records silage/oat/hay Tillage FOIA Exemption (b)	Alfalfa, yr2 regrowth after cutting	tons	1.5000
CMZ 17\c.Other Local Mgt Records silage/oat/hay Tillage FOIA Exemption (b)	Alfalfa, yr2 regrowth after cutting	tons	1.5000
CMZ 17\c.Other Local Mgt Records silage/oat/hay Tillage FOIA Exemption (b)	Alfalfa, yr2 senes to yr3 regrowth	tons	2.2500
CMZ 17\c.Other Local Mgt Records silage/oat/hay Tillage FOIA Exemption (b)	Alfalfa, yr3 regrowth after cutting	tons	1.7000
CMZ 17\c.Other Local Mgt Records silage/oat/hay Tillage FOIA Exemption (b)	Alfalfa, yr3 regrowth after cutting	tons	1.7000
CMZ 17\c.Other Local Mgt Records silage/oat/hay Tillage FOIA Exemption (b)	Alfalfa, yr3 senes to yr4 regrowth	tons	2.5000

Contouring: a. rows up-and-down hill
 Strips/barriers: (none)
 Diversion/terrace, sediment basin: (none)
 Subsurface drainage: (none)
 Adjust res. burial level: bury 20% more than normal
 General yield level: Set by user
 Rock cover: 0 %

Outputs:

T value: 5.0 t/ac/yr

Soil loss erod. portion: 3.1 t/ac/yr

Detachment on slope: 3.1 t/ac/yr

Soil loss for cons. plan: 3.1 t/ac/yr

Sediment delivery: 3.1 t/ac/yr

Net C factor: 0.12

Net K factor: 0.36

Crit. slope length: -- ft

Surf. cover after planting: -- %

<i>Date</i>	<i>Operation</i>	<i>Vegetation</i>	<i>Surf. res. cov. after op, %</i>
11/1/0	Manure injector, liquid low disturb.30 inch		45
11/15/0	Chisel plow, coulter, st. pts.		16
4/15/1	Seedbed finisher, snl disk, fld cult, coil tine har, rolling bskt		5.0
4/15/1	Planter, double disk opnr w/fluted coulter	Corn, silage	5.0
9/1/1	Harvest, silage		20
11/1/1	Manure injector, liquid low disturb.30 inch		18
11/15/1	Chisel plow, coulter, st. pts.		6.8
4/14/2	Seedbed finisher, snl disk, fld cult, coil tine har, rolling bskt		1.4
4/15/2	Planter, double disk opnr w/fluted coulter	Corn, silage	1.4
9/1/2	Harvest, silage		19
4/10/3	Drill or airseeder, double disk	Alfalfa/oat, nurse crop spring seed	15
7/25/3	Harvest, killing crop 50pct standing stubble		70
7/26/3	Begin growth	Alfalfa/oat, grwth after oat harv to y2 regrth	70
6/1/4	Harvest, hay, legume	Alfalfa, yr2 regrowth after cutting	82
7/15/4	Harvest, hay, legume	Alfalfa, yr2 regrowth after cutting	78
9/1/4	Harvest, hay, legume	Alfalfa, yr2 senes to yr3 regrowth	72
6/1/5	Harvest, hay, legume	Alfalfa, yr3 regrowth after cutting	66
7/15/5	Harvest, hay, legume	Alfalfa, yr3 regrowth after cutting	61
9/1/5	Harvest, hay, legume	Alfalfa, yr3 senes to yr4 regrowth	55

Soil conditioning index (SCI): 0.28

Avg. annual slope STIR: 40

Wind & irrigation-induced erosion for SCI: 0 t/ac/yr

Acreage and Proportionate Extent of the Soils

Stephenson County, Illinois

Map symbol	Map unit name	Acres	Percent
29D2	Dubuque silt loam, 10 to 18 percent slopes, eroded	3,417	0.9
233C2	Birkbeck silt loam, 5 to 10 percent slopes, eroded	1,605	0.4
417D2	Derinda silt loam, 10 to 18 percent slopes, eroded	1,507	0.4
429B	Palsgrove silt loam, 2 to 5 percent slopes	626	0.2
429C2	Palsgrove silt loam, 5 to 10 percent slopes, eroded	4,570	1.3
429D2	Palsgrove silt loam, 10 to 18 percent slopes, eroded	2,437	0.7
675B	Greenbush silt loam, 2 to 5 percent slopes	14,360	4.0
Total		28,522	7.9

* Less than 0.1 percent.

RUSLE2 Related Attributes

Stephenson County, Illinois

Map symbol and soil name	Pct. of map unit	Hydrologic group	Kf	T factor	Representative value		
					% Sand	% Silt	% Clay
29D2:							
Dubuque	90	B	.43	2	9.0	70.0	21.0
233C2:							
Birkbeck	90	B	.43	5	5.0	71.0	24.0
417D2:							
Derinda	90	C	.43	3	4.0	72.0	24.0
429B:							
Palsgrove	92	B	.43	3	5.0	71.0	24.0
429C2:							
Palsgrove	90	B	.43	3	5.0	71.0	24.0
429D2:							
Palsgrove	95	B	.43	3	9.3	66.7	24.0
675B:							
Greenbush	95	B	.37	5	4.0	75.0	21.0

Water Features

Stephenson County, Illinois

Map symbol and soil name	Hydrologic group	Surface runoff	Month	Water table		Ponding			Flooding		
				Upper limit	Lower limit	Surface depth	Duration	Frequency	Duration	Frequency	
				<i>Ft</i>	<i>Ft</i>	<i>Ft</i>					
29D2:											
Dubuque	B	High	Jan-Dec			---	---	None	---	None	
233C2:											
Birkbeck	B	Medium	February	4.0->6.0	>6.0	---	---	None	---	None	
			March	4.0->6.0	>6.0	---	---	None	---	None	
			April	4.0->6.0	>6.0	---	---	None	---	None	
417D2:											
Derinda	C	Very high	February	2.0-3.0	2.5-3.5	---	---	None	---	None	
			March	2.0-3.0	2.5-3.5	---	---	None	---	None	
			April	2.0-3.0	2.5-3.5	---	---	None	---	None	
429B:											
Palsgrove	B	Low	Jan-Dec			---	---	None	---	None	
429C2:											
Palsgrove	B	Medium	Jan-Dec			---	---	None	---	None	
429D2:											
Palsgrove	B	Medium	Jan-Dec			---	---	None	---	None	
675B:											
Greenbush	B	Low	February	4.0->6.0	>6.0	---	---	None	---	None	
			March	4.0->6.0	>6.0	---	---	None	---	None	
			April	4.0->6.0	>6.0	---	---	None	---	None	



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JAMES RITTERBUSCH
DISTRICT CONSERVATIONIST

Conservation Plan

FOIA Exemption (b) (6)

Crop

Tract: 1698

Conservation Crop Rotation

A crop rotation of 4 yrs corn-1 yr oats-3 yrs hay will be planted on this field. Soils will be tested every 3 to 5 yrs with necessary limestone & fertilizer applied as indicated by the soil tests. Herbicides & insecticides will be integrated with other pest management practices to provide protection without contamination or off-site pollution. THE 1ST YR OF ROW CROPS FOLLOWING HAY IS EXEMPT FROM RESIDUE REQUIREMENTS. Other yrs of row crops will require residue as described in Practice 329 or 344.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	25.6 ac	5	1992	25.6 ac	6/11/1992
2	38 ac	5	1991	38 ac	6/11/1992
3	2 ac	5	1991	2 ac	6/11/1992
4	4.3 ac	5	1991	4.3 ac	6/11/1992
5	68.4 ac	5	1991	68.4 ac	6/11/1992
Total:	138.3 ac			138.3 ac	

Residue Mgmt, Mulch Till

A reduced tillage system will be used on these fields. A minimum of 30% crop residue will be left on the soil surface after planting. See Job Sheet 345.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	25.6 ac	5	1991		
2	38 ac	5	1991		
3	2.1 ac	5	1992		
4	4.3 ac	5	1991		
5	68.4 ac	5	1991		
Total:	138.4 ac				

Waste Utilization

Waste Utilization. Animal waste will be applied to these fields in an enviromentally acceptable manner while maintaining or improving soil an plant resources. Care shall be taken to apply at obtimum times of year to reduce the potential for run-off.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	25.6 ac	5	2007		
2	38 ac	5	2007		
3	2.1 ac	5	2007		
4	4.3 ac	5	2007		
5	68.4 ac	5	2007		
Total:	138.4 ac				

CERTIFICATION OF PARTICIPANTS

FOIA Exemption (b) (6)

DATE

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JAMES RITTERBUSCH

DATE

CONSERVATION DISTRICT

STEPHENSON COUNTY SOIL & DATE

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Conservation Plan

FOIA Exemption (b) (6)

Crop

Tract: 1700

Conservation Crop Rotation

A crop rotation of 2 yrs corn-1 yr oats-3 yrs hay will be planted on this field. Soils will be tested every 3 to 5 yrs with necessary limestone & fertilizer applied as indicated by the soil tests. Herbicides & insecticides will be integrated with other p

Field	Planned Amount	Month	Year	Applied Amount	Date
1	6.6 ac	5	1992	6.6 ac	9/20/1992
2	12.9 ac	5	1992	12.9 ac	9/20/1992
3	11.6 ac	5	1992	11.6 ac	9/20/1992
4	0.6 ac	5	1992	0.6 ac	9/20/1992
5	4.3 ac	5	1992	4.3 ac	9/20/1992
7	13.5 ac	5	1992	13.5 ac	9/20/1992
8	10.1 ac	5	1992	10.1 ac	9/20/1992
9	9.9 ac	5	1992	9.9 ac	9/20/1992
10	2.4 ac	5	1992	2.4 ac	9/20/1992
Total:	71.9 ac			71.9 ac	

Contour Farming

All farming operations will be done on the contour. A contour lines will be established on a grade not to exceed 2%. Within 100 feet of an out-let or ridge top, the grade will not exceed 3%. See Job Sheet 330-1.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	6.6 ac	5	1993	6.6 ac	6/13/1993
6	20.6 ac	5	1993	20.6 ac	6/13/1993
Total:	27.2 ac			27.2 ac	

Pasture and Hay Planting

These fields have been established to pasture and/or have been renovated using perennial forages. Lime and fertilizer will be applied according to soil tests and plant needs prior to planting. The pasture will be checked to insure that proper stocking rates allow the pasture to exist without higher than acceptable levels of soil loss. See Job Sheet 512.

Field	Planned Amount	Month	Year	Applied Amount	Date
6	2 ac	5	1992	2 ac	9/20/1992
Total:	2 ac			2 ac	

Residue Mgmt-No-Till/Strip Till/Direct S

A reduced tillage system will be used on these fields. A minimum of 30% crop residue will be left on the soil surface after planting. See Job Sheet 329B.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	6.6 ac-ft	5	1991	6 ac-ft	11/12/2006
2	12.9 ac-ft	5	1991	13 ac-ft	11/12/2006
3	11.6 ac-ft	5	1991		
4	0.6 ac-ft	5	1991		
5	4.3 ac-ft	5	1991		
6	20.6 ac-ft	5	1991		
7	13.5 ac-ft	5	1991		
8	10.1 ac-ft	5	1991		
9	9.9 ac-ft	5	1991	10 ac-ft	11/12/2006
10	2.4 ac-ft	5	1991	2 ac-ft	11/12/2006
Total:	92.5 ac-ft			30.8 ac-ft	

Stripcropping

A crop rotation as specified in Practice No. 328 will be used in contour strips on these fields. The key contour line will be established on a grade not to exceed 2% and not to exceed 3% within 100 feet of an outlet or ridge top. All tillage and plantin

Field	Planned Amount	Month	Year	Applied Amount	Date
7	13.5 ac	5	1991	13.5 ac	4/15/1991
Total:	13.5 ac			13.5 ac	

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Conservation Plan

FOIA Exemption (b) (6)

Crop

Tract: 1713

Comprehensive Nutrient Management Plan

A Comprehensive Nutrient Management Plan that addresses the handling, storage, and application of animal waste in an environmentally safe manner will be developed.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	1 no	9	2006		
Total:	1 no				

Conservation Crop Rotation

A crop rotation of 3 yrs corn-1 yr oats-3 yrs hay will be planted on this field. Soils will be tested every 3 to 5 yrs with necessary limestone & fertilizer applied as indicated by the soil tests. Herbicides & insecticides will be integrated with other pest management practices to provide protection without contamination or off-site pollution. THE 1ST YR OF ROW CROPS FOLLOWING HAY IS EXEMPT FROM RESIDUE REQUIREMENTS. Other yrs of row crops will require residue as described in practice 329 OR 344.

Field	Planned Amount	Month	Year	Applied Amount	Date
2	16.6 ac	2	1988	16.6 ac	10/14/1989
3	46.4 ac	11	1989	46.4 ac	11/4/1989
4	8.6 ac	5	2007		
5	5.7 ac	2	1988	5.7 ac	10/14/1989
6	4.6 ac	5	2007		
7	5 ac	2	1988	5 ac	10/14/1989
8	17.8 ac	5	2007		
9	10.4 ac	2	1988	10.4 ac	10/14/1989
11	5.3 ac	2	1988	5.3 ac	10/14/1989
Total:	120 ac			89 ac	

Conservation Crop Rotation

Conservation Cropping Sequence - A rotation of continuous corn will be planted on this field. Soils will be tested every 3 to 5 years with necessary limestone and fertilizer applied as indicated by the soil tests. Herbicides and insecticides will be integrated with other pest management practices to provide protection without contamination or off-site pollution.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	25.6 ac	2	1988	25.6 ac	10/14/1989
Total:	25.6 ac			25.6 ac	

Contour Farming

All farming operations will be done on the contour. A contour lines will be established on a grade not to exceed 2%. Within 100 feet of an out-let or ridge top, the grade will not exceed 3%. See Job Sheet 330-1.

Field	Planned Amount	Month	Year	Applied Amount	Date
9	6.8 ac	2	1988	6.8 ac	4/10/1988
Total:	6.8 ac			6.8 ac	

Residue Management, Seasonal

Crop Residue Use. A minimum of 20% residue will be left on the soil surface after planting of all row crops.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	25.6 ac	5	1992	25.6 ac	6/8/1993
Total:	25.6 ac			25.6 ac	

Residue Mgmt, Mulch Till

A reduced tillage system will be used on these fields. A minimum of 30% crop residue will be left on the soil surface after planting. See Job Sheet 345.

Field	Planned Amount	Month	Year	Applied Amount	Date
2	16.2 ac	5	2007		
3	46.4 ac	5	1992	46.4 ac	6/10/1993
4	8.6 ac	5	1992	8.6 ac	6/8/1993
5	5.7 ac	5	1992	5.7 ac	6/8/1993
6	46.4 ac	5	2007		
7	5 ac	5	2007		
8	17.8 ac	5	2007		
9	10.4 ac	5	1993	10.4 ac	10/13/1989
11	55.4 ac	5	1993	55.4 ac	6/8/1993
Total:	170.1 ac			126.5 ac	

Stripcropping

A crop rotation as specified in Practice No. 328 will be used in contour strips on these fields. The key contour line will be established on a grade not to exceed 2% and not to exceed 3% within 100 feet of an outlet or ridge top. All tillage and plantin

Field	Planned Amount	Month	Year	Applied Amount	Date
1	48.2 ac	2	1988	48.2 ac	10/15/1989
4	11 ac	2	1988	11 ac	10/14/1989
5	45 ac	2	1988	45 ac	10/14/1989
Total:	39.9 ac			39.9 ac	

TA Design

Technical Assistance - Design a Comprehensive Nutrient Management Plan (CNMP) in accordance with the Illinois eFOTG.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	1 no	9	2006		
Total:	1 no				

Waste Utilization

Waste Utilization. Animal waste will be applied to these fields in an enviromentally acceptable manner while maintaining or improving soil an plant resources. Care shall be taken to apply at optimum times of year to reduce the potential for run-off.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	25.6 ac	5	2007		
2	16.2 ac	5	2007		
3	46.4 ac	5	2007		
4	8.6 ac	5	2007		
5	5.7 ac	5	2007		
6	4.6 ac	5	2007		
7	5 ac	5	2007		
8	17.8 ac	5	2007		
9	10.4 ac	5	2007		
11	55.4 ac	5	2007		
Total:	195.7 ac				

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Conservation Plan

FOIA Exemption (b) (6)

Crop

Tract: 4344

Conservation Crop Rotation

A crop rotation of 3 yrs corn-1 yr oats-3 yrs hay will be planted on this field. Soils will be tested every 3 to 5 yrs with necessary limestone & fertilizer applied as indicated by the soil tests. Herbicides & insecticides will be integrated with other pest management practices to provide protection without contamination or off-site pollution. THE 1ST YR OF ROW CROPS FOLLOWING HAY IS EXEMPT FROM RESIDUE REQUIREMENTS. Other yrs of row crops will require residue as described in practice 329 OR 344.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	1.3 ac	5	1993	1.3 ac	5/17/1994
2	3.4 ac	2	2007	1 ac	2/8/2007
3	1.1 ac	2	2007	6 ac	2/8/2007
4	6.4 ac	2	2007	6.4 ac	2/8/2007
5	5.7 ac	2	2007	5.7 ac	2/8/2007
Total:	17.9 ac			15.5 ac	

Residue Mgmt, Mulch Till

A reduced tillage system will be used on these fields. A minimum of 30% crop residue will be left on the soil surface after planting. See Job Sheet 345.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	1.3 ac	5	2007		
2	3.4 ac	5	2007		
3	1.1 ac	5	2007		
4	6.4 ac	5	2007		
5	5.7 ac	5	2007		
Total:	17.9 ac				

Headquarters

Tract: 4344

Comprehensive Nutrient Management Plan -

The written site specific Comprehensive Nutrient Management Plan will meet the planning criteria described in the Field Office Technical Guide.

Field	Planned Amount	Month	Year	Applied Amount	Date
UN	1 no	6	2010		
Total:	1 no				

CERTIFICATION OF PARTICIPANTS

FOIA Exemption (b) (6)

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Conservation Plan

FOIA Exemption (b) (6)

Crop

Tract: 4459

Conservation Crop Rotation

A crop rotation of 2 yrs corn-1 yr oats-5 yrs hay will be planted on this field. Soils will be tested every 3 to 5 yrs with necessary limestone & fertilizer applied as indicated by the soil tests. Herbicides & insecticides will be integrated with other pest management practices. THE 1ST YR OF ROW CROPS FOLLOWING HAY IS EXEMPTED FROM RESIDUE REQUIREMENTS. OTHER YRS OF ROW CROPS WILL REQUIRE RESIDUE AS DESCRIBED IN PRACTICE 329 OR 344.

Field	Planned Amount	Month	Year	Applied Amount	Date
3	8.2 ac	5	1992	8.2 ac	6/10/1993
4	3.9 ac	5	1992	3.9 ac	6/10/1993
15	17.4 ac	5	1992	17.4 ac	6/10/1993
Total:	25.4 ac			25.4 ac	

Residue Mgmt-No-Till/Strip Till/Direct S

A reduced tillage system will be used on these fields. A minimum of 30% crop residue will be left on the soil surface after planting. See Job Sheet 329B.

Field	Planned Amount	Month	Year	Applied Amount	Date
4	3.9 ac-ft	5	1992	3.9 ac-ft	6/10/1993
15	17.4 ac-ft	5	1992	17.4 ac-ft	6/10/1993
Total:	21.3 ac-ft			21.3 ac-ft	

CERTIFICATION OF PARTICIPANTS

FOIA Exemption (b) (6)

DATE

CERTIFICATION OF:

DISTRICT CONSERVATIONIST

JAMES RITTERBUSCH

DATE

CONSERVATION DISTRICT

STEPHENSON COUNTY SOIL & DATE

PUBLIC BURDEN STATEMENT

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PRIVACY ACT

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Conservation Plan

Farm #: 5494

FOIA Exemption (b) (6)

FOIA Exemption (b) (6)

Crop

Tract: 4572

CONSERVATION COVER

THESE FIELDS WILL BE ESTABLISHED TO A PERMANENT VEGETATIVE COVER AS DISCRIBED IN THE PLANTING AND MANAGEMNET PLAN AS WRITTEN BY THE IDNR PRIVATE LANDS BIOLOGIST. WHEN ESTABLISHING THIS SEEDING COVER AN ADEQUATE SEEDBED WILL BE PREPARED TO OBTAIN PROPER SOIL-SEED CONTACT AND RETAIN SUFFICIENT RESIDUE ON THE SOIL SURFACE FOR EROSION CONTROL DURING ESTABLISHMENT. ALL TILLAGE AND SEEDING OPERATIONS WILL BE DONE ACROSS THE SLOPE OR ON THE CONTOUR.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	8.8 ac.	10	1997		
2	17.8 ac.	10	1997		
3	16.3 ac.	10	1997		
6	7.7 ac.	10	1997		
8	18.5 ac.	10	1997		
10	34.8 ac.	10	1997		
19	10.1 ac.	10	1997		
Total:	114.0 ac.				

CONSERVATION CROP ROTATION

A crop rotation of corn-corn-soybeans will be planted on this field. Soils will be tested every 3 to 5 yrs with necessary limestone & fertilizer applied as indicated by the soil tests. Herbicides & insecticides will be integrated with other pest management practices to provide protection without contamination or off-site pollution.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	8.8 ac.	5	2005		
1A	6.4 ac.	5	2005		
2	17.8 ac.	5	2005		
3	16.3 ac.	5	2005		
4	10.0 ac.	5	2005		
6	7.7 ac.	5	2005		
8	18.5 ac.	5	2005		
10	34.8 ac.	5	2005		
19	10.1 ac.	5	2005		
Total:	130.4 ac.				

USE EXCLUSION

Livestock will be excluded from this field(s) to aid in the protection, maintenance or improvement of plant and animal resources or to maintain enough cover to protect the soil from erosion. Livestock will be excluded by means of a fence for an indefinite period of time unless otherwise stated. Repairs will be made as needed. A minimal area can be left for livestock access and watering. This access area should be stabilized from erosion. See Job Sheet 472.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	8.8 ac.	10	1997		
2	17.8 ac.	10	1997		
3	16.3 ac.	10	1997		
6	7.7 ac.	10	1997		
8	18.5 ac.	10	1997		
10	34.8 ac.	10	1997		
19	10.1 ac.	10	1997		
Total:	114.0 ac.				

EARLY SUCCESSIONAL HABITAT DEVELOPMENT/MANAGEMENT

Mid-Contract Management: Burning

Beginning with the 3rd year after the seeding is established, 20-30% of the CRP area will be burned (unless the planner determines more or less of the area should be burned) each year for the remainder of the contract. The area to be burned will be rotated each year so that the entire CRP area is burned once every 3-4 years. The burn will be conducted according to a prescribed burn plan, equivalent to NRCS IL-Job Sheet 338 and consistent with Federal, State and Local laws and

Field	Planned Amount	Month	Year	Applied Amount	Date
1	1.7 ac.	5	2005		
2	8.0 ac.	5	2005		
6	7.7 ac.	5	2005		
10	10.0 ac.	5	2005		
Total:	27.4 ac.				

RESIDUE MANAGEMENT, NO-TILL AND STRIP TILL

Field	Planned Amount	Month	Year	Applied Amount	Date
1	8.8 ac.	5	2007		
1A	6.4 ac.	5	2007		
2	17.8 ac.	5	2007		
3	16.3 ac.	5	2007		
4	10.0 ac.	5	2007		
6	7.7 ac.	5	2007		
8	18.5 ac.	5	2007		
10	34.8 ac.	5	2007		
19	10.1 ac.	5	2007		
Total:	130.4 ac.				

CERTIFICATION OF PARTICIPANTS

<div>FOIA Exemption (b) (6)</div> <div>Date</div>

CERTIFICATION OF:

District Conservationist
<div>James A. Ritterbusch</div> <div>Date</div>

CONSERVATION DISTRICT
<div>Stephenson County SWCD</div> <div>Date</div>

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Conservation Plan

FOIA Exemption (b) (6)

FOIA Exemption (b) (6), OWNER

Crop

Tract: 5047

CONSERVATION CROP ROTATION

A crop rotation of 3 yrs corn-1 yr oats-3 yrs hay will be planted on this field. Soils will be tested every 3 to 5 yrs with necessary limestone & fertilizer applied as indicated by the soil tests. Herbicides & insecticides will be integrated with other pest management practices to provide protection without contamination or off-site pollution. THE 1ST YR OF ROW CROPS FOLLOWING HAY IS EXEMPT FROM RESIDUE REQUIREMENTS. Other yrs of row crops will require residue as described in practice 329 OR 344.

Field	Planned Amount	Month	Year	Applied Amount	Date
6	24.2 ac.	8	1993	24.2 ac.	Nov-15-1990
8	101.0 ac.	8	1993	101.0 ac.	Nov-15-1990
9	80.3 ac.	8	1993	80.3 ac.	Nov-15-1990
10	23.5 ac.	8	1993	23.5 ac.	Nov-15-1990
Total:	229.0 ac.			229.0 ac.	

RESIDUE MANAGEMENT, SEASONAL

Spring moldboard plowing is allowed on these fields after each crop. The estimated soil loss will be less than the tolerable soil loss even when plowing is done in the spring. Care should be taken to insure that erosion is held to a minimum while the soil is bare.

Field	Planned Amount	Month	Year	Applied Amount	Date
6	24.2 ac.	5	1993	24.2 ac.	Jun-9-1993
8	101.0 ac.	5	1993	101.0 ac.	Jun-9-1993
9	80.3 ac.	5	1993	80.3 ac.	Jun-9-1993
10	23.5 ac.	5	1993	23.5 ac.	Jun-9-1993
Total:	229.0 ac.			229.0 ac.	

STRIPCROPPING, CONTOUR

A crop rotation as specified in Practice No. 328 will be used in contour strips on these fields. The key contour line will be established on a grade not to exceed 2% and not to exceed 3% within 100 feet of an outlet or ridge top. All tillage and planting operations will be parallel to the lines as staked. See Job Sheet 585.

Field	Planned Amount	Month	Year	Applied Amount	Date
6	24.2 ac.	4	1993	24.2 ac.	Mar-30-1992
8	101.0 ac.	3	1989	101.0 ac.	Apr-2-1989
9	80.3 ac.	5	1992	80.3 ac.	Mar-30-1992
10	4.0 ac.	3	1989	4.0 ac.	May-2-1989
Total:	209.5 ac.			209.5 ac.	

CERTIFICATION OF PARTICIPANTS

FOIA Exemption (b) (6) INC.	Date

CERTIFICATION OF:

District Conservationist	
James A. Ritterbusch	Date

CONSERVATION DISTRICT	
Stephenson County SWCD	Date

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FREEPORT, IL 61032-2518
(815) 235-2141

JAMES RITTERBUSCH
DISTRICT CONSERVATIONIST

Conservation Plan

FOIA Exemption (b) (6)

Crop

Tract: 5099

Conservation Crop Rotation

A crop rotation of 3 yrs corn-1 yr oats-3 yrs hay will be planted on this field. Soils will be tested every 3 to 5 yrs with necessary limestone & fertilizer applied as indicated by the soil tests. Herbicides & insecticides will be integrated with other pest management practices to provide protection without contamination or off-site pollution. THE 1ST YR OF ROW CROPS FOLLOWING HAY IS EXEMPT FROM RESIDUE REQUIREMENTS. Other yrs of row crops will require residue as described in practice 329 OR 344.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	49.2 ac	2	2007	49.2 ac	2/12/2006
2	12.2 ac	2	2007	12.2 ac	2/12/2006
3	7.8 ac	2	2007	7.8 ac	2/12/2006
4	17.5 ac	2	2007	17.5 ac	2/12/2006
Total:	86.7 ac			86.7 ac	

Contour Farming

All farming operations will be done on the contour. A contour lines will be established on a grade not to exceed 2%. Within 100 feet of an out-let or ridge top, the grade will not exceed 3%. See Job Sheet 330-1.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	49.2 ac	5	2008		
2	12.2 ac	5	2008		
3	7.8 ac	5	2008		
4	17.5 ac	5	2008		
Total:	86.7 ac				

Residue Mgmt, Mulch Till

A reduced tillage system will be used on these fields. A minimum of 30% crop residue will be left on the soil surface after planting. See Job Sheet 345.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	49.2 ac	5	2009		
2	12.2 ac	5	2009		
3	7.8 ac	5	2009		
4	17.5 ac	5	2009		
Total:	86.7 ac				

Waste Utilization

Waste Utilization. Animal waste will be applied to these fields in an environmentally acceptable manner while maintaining or improving soil and plant resources. Care shall be taken to apply at optimum times of year to reduce the potential for run-off.

Field	Planned Amount	Month	Year	Applied Amount	Date
1	49.2 ac	10	2009		
2	12.2 ac	10	2009		
3	7.8 ac	10	2009		
4	17.5 ac	10	2009		
Total:	86.7 ac				

CERTIFICATION OF PARTICIPANTS

FOIA Exemption (b) (6)

DATE

CERTIFICATION OF:

DISTRICT CONSERVATIONIST

JAMES RITTERBUSCH

DATE

CONSERVATION DISTRICT

STEPHENSON COUNTY SOIL & DATE

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